

Problem with CLEN

Posted by Alejandra Arbueta - 2009/05/12 15:36

I am working with Kineros_AGWA 1.5 and I have a problem with CLEN. By default the AGWA CLEN = 10 assigned to it?

I changed the value by the length of the longest single channel I get an error message "based on length and parameter CLEN, the numerical increment of 465.5 m. is too large for realistic numerical solution of the flow equation, and may give misleading results." What to do in this case?

Alejandra

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Re:Problem with CLEN

Posted by lainie - 2009/05/13 17:07

KINEROS was originally developed for small watersheds. This message is simply a warning and does not affect your results.

CLEN is used to distribute 5 to 15 finite difference nodes for flow through the channel or across a plane. To determine how many nodes to use, KINEROS uses the ratio of the length of the channel or plane, and CLEN, and multiplies that by 15 (the maximum number of nodes). If the resulting value is less than 5, then KINEROS uses 5 nodes. If it is greater than 15, it uses 15, and gives you that warning message. The range of 5 to 15 nodes was determined to give the best results in KINEROS.

Hope that helps.

Lainie

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